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| **Problem Solving Method**1. **Understand the Problem**
* Read the problem
* What facts do you have?
* Highlight important information in the question
* Have you seen a question like this before? (how is it similar? How is it different?
* *What are you being asked to figure out?*
* *Write down* ***Given:*** *and ‘required’ at this step*
1. **Make a Plan (Choose a strategy)**

**\*\*Most Important- must be detailed*** How have you solved similar problems in the past?
* What strategies do you know?
* What strategies do you want to try? **Why?**
* If a strategy doesn’t work it’s okay, just try something different
* Consider how you will record your work. Remember that you will need to explain your thinking, and describe the steps that you are taking to solve the problem
1. **Carry out the plan (SHOW your work)**
* *Now that you have thought about some strategies, go ahead and solve the problem*
* *Remember to record your steps*
* Do the necessary calculations
* Revise or apply different strategies as needed
* The right answer isn’t all that matters; so does the thinking and process that you went through in order to try and solve the problem
1. **Solution**
* **Prove** that you’ve answered what you were asked to do by doing the following:
	+ **Re-state** the required
	+ **Summarize** your findings from the carry out the plan section
	+ Where applicable, provide the correct units for your answer
	+ **Explain how** your findings meet the required
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